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-- REMARKS --

The present amendment replies to a First Non-Final Office Action dated June 6, 2002. Claims 1-6 are currently pending in the present application. Claims 1-6 have been amended herein to refine a format of claims 1-6. Attached hereto is a marked-up version of an amendment to claims 1-6 that is captioned "Version With Markings To Show Changes Made". No new matter has been introduced by the amendment of claims 1-6.

In the First Non-Final Office Action, Examiner Vigushin objected to the drawings and the layout of the specification. In response thereto, the Applicant is concurrently filing a marked-up drawing sheet as well as a marked-up specification and a substitute specification in accordance with 37 CFR §1.125. No new matter was introduced into the substitute specification and the marked-up drawing sheet.

Also in the First Non-Final Office Action, Examiner Vigushin rejected pending claims 1-6 on various grounds. The Applicant responds to each rejection as subsequently recited herein, and respectfully requests reconsideration and further examination of the present application under 37 CFR § 1.112:

- A. Claims 1 and 6 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,109,298 to *Hanni* et al.

The Applicant has thoroughly considered Examiner Vigushin's remarks concerning the patentability of independent claim 1 over *Hanni*. The Applicant has also thoroughly read *Hanni*. To warrant this §102(b) rejection, *Hanni* must show each and every limitation of independent claim 1 in as complete detail as is contained in claim 1. See, MPEP 2131. The Applicant respectfully traverses this 35 U.S.C. §102(b) rejection of claim 1, because *Hanni* unequivocally does not disclose, teach or suggest "a number of recesses having an electroconductive inner surface formed in said other printed circuit board" in as complete detail as recited in independent claim 1. Specifically, *Hanni* discloses a number of apertures having an electroconductive inner surface formed

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through the motherboard. See, FIGS. 1 and 1a of *Hanni*. *Hanni* fails to teach or suggest a formation of recesses in the motherboard as an alternative to the formation of apertures through the motherboard.

Withdrawal of the rejection of independent claim 1 under 35 U.S.C. §102(b) as being anticipated by *Hanni* is therefore respectfully requested.

Claim 6 depends from independent claim 1. Therefore, dependent claim 6 includes all of the elements and limitations of independent claim 1. It is therefore respectfully submitted by the Applicant that dependent claim 6 is allowable over *Hanni* for at least the same reason as set forth with respect to independent claim 1. Withdrawal of the rejection of dependent claim 6 under 35 U.S.C. §102(b) as being anticipated by *Hanni* is therefore respectfully requested.

B. Claims 2-4 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,109,298 to *Hanni* et al. in conjunction with U.S. Patent No. 3,934,334 to *Hanni*

Claims 2 and 3 depend from independent claim 1. Therefore, dependent claims 2 and 3 include all of the elements and limitations of independent claim 1. It is therefore respectfully submitted by the Applicant that dependent claims 2 and 3 are allowable over both *Hanni* references for at least the same reason as set forth with respect to independent claim 1. Withdrawal of the rejection of dependent claims 2 and 3 under 35 U.S.C. §102(b) as being anticipated by the *Hanni* references is therefore respectfully requested.

Claim 4 has been cancelled. Withdrawal of the rejection of dependent claim 4 under 35 U.S.C. §102(b) as being anticipated by the *Hanni* references is therefore respectfully requested.

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- C. Claim 5 was rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 4,109,298 to *Hanni* et al.

Claim 5 depends from independent claim 1. Therefore, dependent claim 5 includes all of the elements and limitations of independent claim 1. It is therefore respectfully submitted by the Applicant that dependent claim 5 is allowable over *Hanni* for at least the same reason as set forth with respect to independent claim 1. Withdrawal of the rejection of dependent claim 8 under 35 U.S.C. §103(a) as being unpatentable by *Hanni* is therefore respectfully requested.

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SUMMARY

Examiner Vigushin's objections to the drawings and specification have been obviated by the submission of a responsive marked-up drawing sheet and substitute specification. Examiner Vigushin's 35 U.S.C. §§102 and 103 rejections of claims 1-6 have been obviated by the above remarks. The Applicant respectfully submits that claims 1-12 fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and early passage to issue of the present application is respectfully requested.

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Respectfully submitted,
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